



MONICA A-1912080@nec

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LeaderBoard & Prev Day Solution

DAILY CHALLENGE

ProgramID- 5987



SkillRack

Check if the Chessboard is Valid or Invalid

A chessboard of size $N \times N$ is given as the input to the program. B represents black colored squares and W represents white colored squares. A chessboard is valid only if it has alternate black and white squares both vertically and horizontally. The program must print Valid if the chessboard is valid. Else the program must print Invalid.

Boundary Condition(s):

 $2 \leq N \leq 20$

Input Format:

The first line contains the value of N.

The next N lines contain the characters either W or B.

Output Format:

The first line contains the either valid or invalid.

Example Input/Output 1:

Input:

4

WBWB

BWBW

WBWB

BWBW

Output:

Valid

Example Input/Output 2:

Input:

4
WBWB
BWBW
WBWB
BWBB

Output:
Invalid

Max Execution Time Limit: 5000 millisecs



Ambiance



Java (12.0)



Reset

```
1 import java.util.*;
2 public class Hello {
3
4     public static void main(String[] args) {
5         Scanner sc=new Scanner(System.in);
6         int n=sc.nextInt();
7         sc.nextLine();
8         char arr[][]=new char[n][n];
9         for(int i=0;i<n;i++){
10             String str=sc.nextLine();
11             for(int j=0;j<n;j++){
12
13                 arr[i][j]=str.charAt(j);
14                 if(Character.isLowerCase(arr[i][j]) || Charac
15                     System.out.print("Invalid");
16                     System.exit(0);
17             }
18         }
19     }
20     for(int i=0;i<n;i++){
21         for(int j=0;j<n;j++){
22             if(i==n-1 && j==n-1){
23                 break;
24             }
25             else if(i==n-1){
26                 if(arr[i][j]==arr[i][j+1]){
27                     System.out.print("Invalid");
28                     System.exit(0);
29                 }
30             }
31             else if(j==n-1){
32                 if(arr[i][j]==arr[i+1][j]){
33                     System.out.print("Invalid");
34                     System.exit(0);
35                 }
36             }
37         }
38     }
39 }
```

```
34         System.exit(0);
35     }
36 }
37
38
39     else if(arr[i][j]!=arr[i][j+1] && arr[i][j]!=a
40
41     }
42     else{
43         System.out.print("Invalid");
44         System.exit(0);
45     }
46 }
47 }
48 System.out.print("Valid");
49 //System.out.print(Arrays.deepToString(arr));
50 }
51 }
```

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Code did not pass the execution

**2 Private (Hidden) Test Cases Failed.**

6 Passed

2 Failed

Save

Run